

CLAIM AMENDMENTS

Claims:

1. (CURRENTLY AMENDED) A method for protecting a digital good, the method comprising:

generating a fingerprint, the fingerprint being a forensic entity identifier which is uniquely associated with a unique entity and the fingerprint is also associated with a watermark;

embedding the watermark into a digital good without embedding the fingerprint.

2. (ORIGINAL) A method as recited in claim 1, wherein the generating comprises producing a short fingerprint which is approximately equivalent to the fingerprint and is substantially smaller in scale than the fingerprint.

3. (ORIGINAL) A method as recited in claim 1, wherein the generating comprises:

producing a pseudorandom watermark carrier that is independent of the watermark;

combining the carrier and the watermark to generate the fingerprint.

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2 4. (ORIGINAL) A method as recited in claim 1, wherein the
3 generating comprises:

4 producing a pseudorandom watermark carrier that is independent of the
5 watermark;

6 amalgamating the carrier and the watermark to generate the fingerprint.
7

8 5. (PREVIOUSLY PRESENTED) A method as recited in
9 claim 4, wherein the amalgamating comprises deriving the fingerprint from the
10 carrier and the watermark.
11

12 6. (PREVIOUSLY PRESENTED) A method as recited in
13 claim 4, wherein the amalgamating comprises combining the carrier and the
14 watermark to generate the fingerprint.
15

16 7. (ORIGINAL) A method as recited in claim 1, wherein the
17 fingerprint is uniquely associated with the watermark.
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19 8. (ORIGINAL) A method as recited in claim 1, wherein the
20 fingerprint is at least partially derived from the watermark.
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22 9. (ORIGINAL) A method as recited in claim 1, wherein the
23 fingerprint is associated with a detection entity.
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1 10. (ORIGINAL) A method as recited in claim 1, wherein the
2 fingerprint is uniquely associated with a detection entity.

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4 11. (PREVIOUSLY PRESENTED) A method as recited in
5 claim 1 further comprising:

6 segmenting the digital good into multiple segments;

7 repeating the generating, and embedding for individual segments of the
8 multiple segments, so that a segment has a segment-associated watermark
9 embedded therein and a segment-associated fingerprint is associated with such
10 segment-associated watermark.

11
12 12. (ORIGINAL) A method as recited in claim 1, wherein the
13 embedding produces a marked digital good, the method further comprising
14 distributing identical copies of the marked digital good to multiple detection
15 entities, wherein individual fingerprints are associated with one or more detection
16 entities.

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18 13. (ORIGINAL) A method as recited in claim 1, wherein the
19 digital good is selected from a group consisting of digitized images, digitized
20 audio, digitized video, digitized multimedia, software applications, and media
21 signals.

1 **14. (ORIGINAL)** A modulated signal generated in accordance
2 with the acts recited in claim 1, wherein the signal has a minimum collusion
3 resistance that grows linearly with the scale of the signal.

4
5 **15. (ORIGINAL)** A modified signal generated in accordance with
6 the acts recited in claim 1, wherein the signal has a minimum collusion resistance
7 that grows with the scale (N) of the signal in the order of magnitude of $O(N \log N)$.

8
9 **16. (ORIGINAL)** A computer-readable medium having computer-
10 executable instructions that, when executed by a computer, performs the method
11 as recited in claim 1.

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13 **17. (ORIGINAL)** A computer comprising one or more computer-
14 readable media having computer-executable instructions that, when executed by
15 the computer, perform the method as recited in claim 1.

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18 **Claims 18-55 are CANCELLED**

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21 **56. (CURRENTLY AMENDED)** A system for facilitating the
22 protection of digital goods, the system comprising:

23 a key generation entity configured to generate pseudorandom watermarks
24 and fingerprints, a fingerprint being a forensic entity identifier which is uniquely
25 associated with a unique entity;

Serial No.: 09/841,159
Atty Docket No.: MS1-777us
INFORMALLY PROPOSED AMENDMENT

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1 a marker configured to embedded the watermark into a digital good,
2 wherein the fingerprint is not embedded into the digital good.

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4 **57. (ORIGINAL)** A system as recited in claim 56, wherein the
5 key generation entity is further configured to produce a pseudorandom watermark
6 carrier that is independent of the watermark and combine the carrier and the
7 watermark to generate the fingerprint.

8
9 **58. (ORIGINAL)** A system as recited in claim 56, wherein the
10 key generation entity is further configured to produce a pseudorandom watermark
11 carrier that is independent of the watermark and coalesce the carrier and the
12 watermark to generate the fingerprint.

13
14 **59. (ORIGINAL)** A system as recited in claim 56, wherein the
15 fingerprint is associated with the watermark.

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17 **60. (ORIGINAL)** A system as recited in claim 56, wherein the
18 fingerprint is associated with a detection entity.

19
20 **61. (ORIGINAL)** A system as recited in claim 56, wherein the
21 digital good is selected from a group consisting of digitized images, digitized
22 audio, digitized video, digitized multimedia, software applications, and media
23 signals
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1 Claims 62-69 are CANCELLED

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4 70. (CURRENTLY AMENDED) A computer-readable medium
5 having computer-executable instructions that, when executed by a computer,
6 performs the method comprising:

7 generating a fingerprint, the fingerprint being a forensic entity identifier
8 which is uniquely associated with a unique entity and the fingerprint is also
9 associated with a watermark;

10 embedding the watermark into a digital good without embedding the
11 fingerprint.

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14 71. (CANCELLED)

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17 72. (CANCELLED)

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